

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046472.D
 Acq On : 17 Dec 2021 15:18
 Operator : SY/MD
 Sample : M5037-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 23:29:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

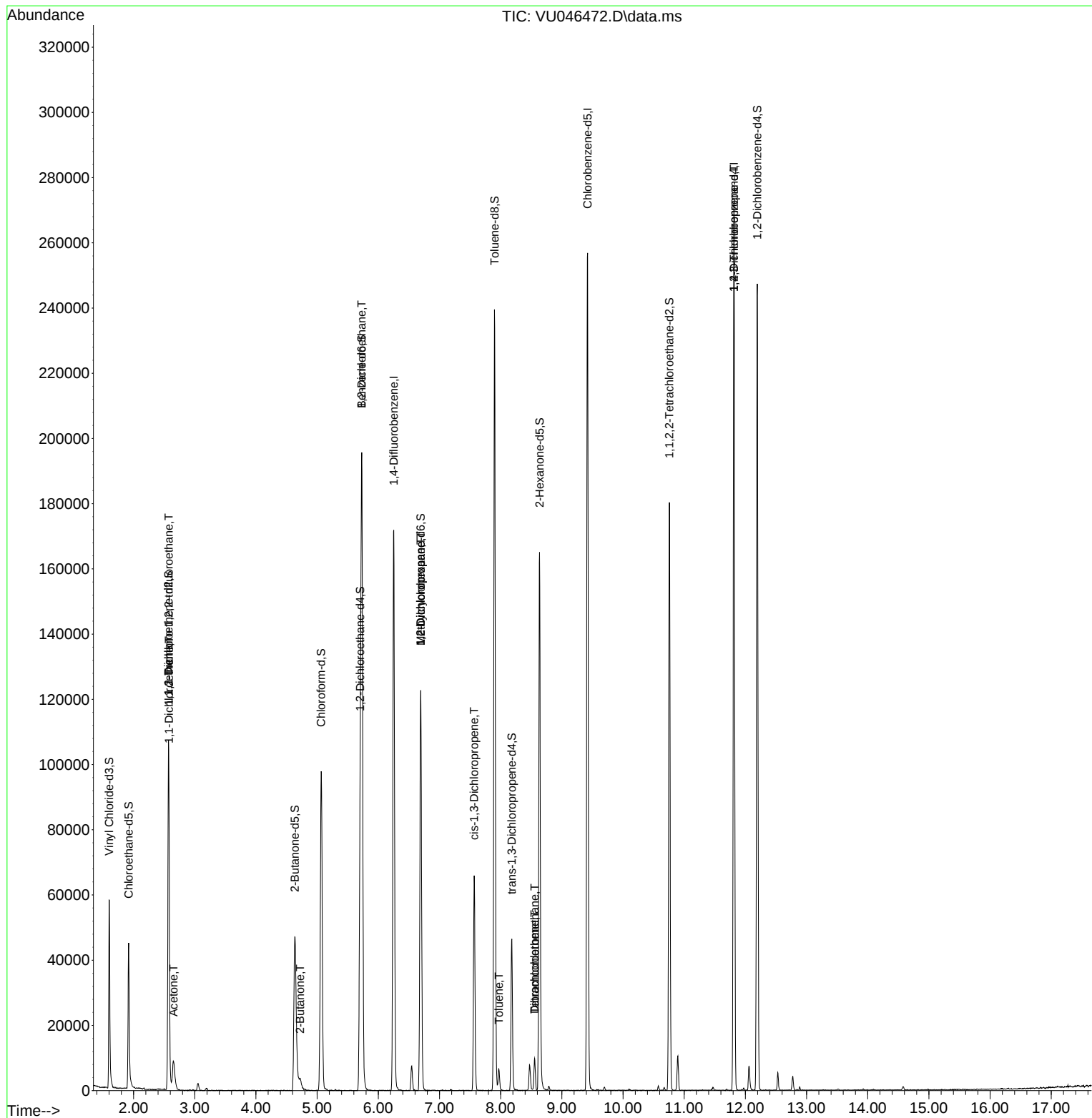
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	139739	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	142425	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71880	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	46373	40.286	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.580%		
7) Chloroethane-d5	1.919	69	36917	41.771	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.540%		
11) 1,1-Dichloroethene-d2	2.571	63	64948	31.430	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.860%		
21) 2-Butanone-d5	4.636	46	78999	86.331	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.330%		
24) Chloroform-d	5.067	84	93366	48.571	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.140%		
26) 1,2-Dichloroethane-d4	5.703	65	62360	48.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.680%		
32) Benzene-d6	5.729	84	181034	44.348	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.700%		
36) 1,2-Dichloropropane-d6	6.693	67	57606	45.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.060%		
41) Toluene-d8	7.899	98	156174	42.019	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.040%		
43) trans-1,3-Dichloroprop...	8.182	79	27036	44.269	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.540%		
47) 2-Hexanone-d5	8.636	63	59145	98.601	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.600%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	87421	45.565	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.120%		
66) 1,2-Dichlorobenzene-d4	12.195	152	62926	45.458	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.920%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	482	0.474	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	443	0.458	ug/L #	1
13) Acetone	2.652	43	15764	13.784	ug/L	98
22) 2-Butanone	4.722	43	4942	3.970	ug/L	97
27) 1,2-Dichloroethane	5.729	62	1141	0.744	ug/L #	73
35) Methylcyclohexane	6.693	83	13740	7.803	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6543	5.794	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1647	0.959	ug/L #	78
42) Toluene	7.970	91	5430	1.174	ug/L	94
46) Tetrachloroethene	8.555	164	2050	2.456	ug/L	93
49) Dibromochloromethane	8.555	129	2072	1.742	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8530	5.414	ug/L #	66

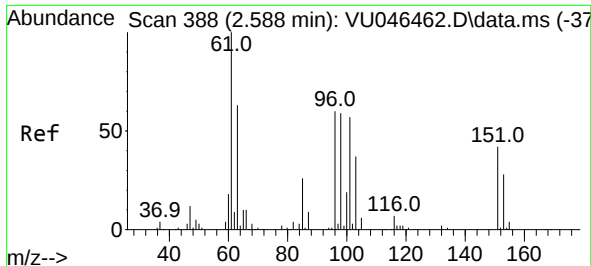
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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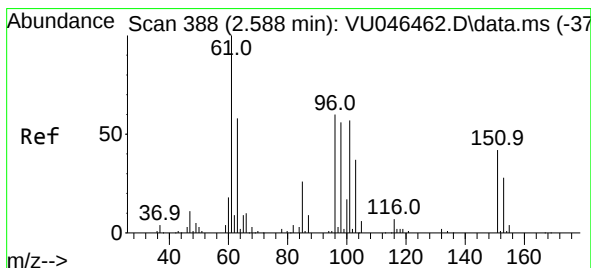
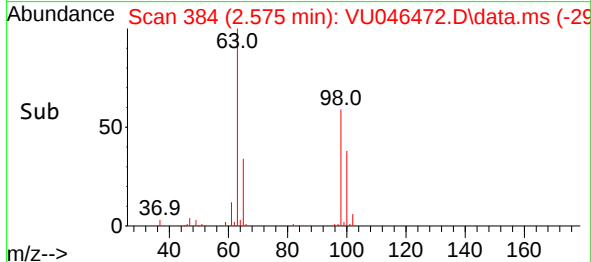
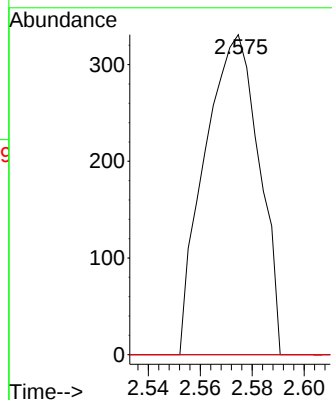
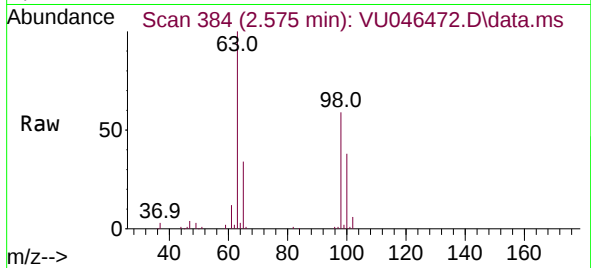




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.474 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046472.D
Acq: 17 Dec 2021 15:18

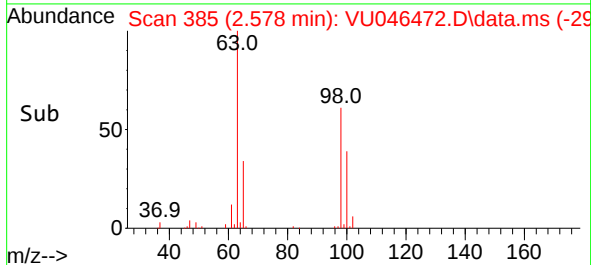
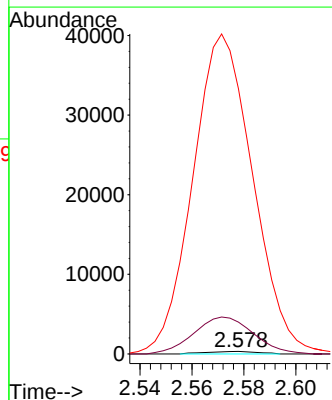
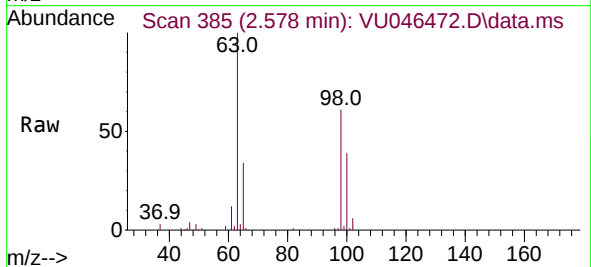
Instrument :
MSVOA_U
ClientSampleId :

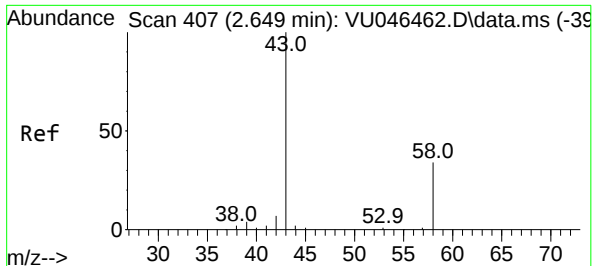
Tgt Ion:101 Resp: 482
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.458 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU046472.D
Acq: 17 Dec 2021 15:18

Tgt Ion: 96 Resp: 443
Ion Ratio Lower Upper
96 100
61 1256.6 118.6 220.2#
63 10480.5 93.0 172.8#





#13

Acetone

Concen: 13.784 ug/L

RT: 2.652 min Scan# 407

Delta R.T. 0.006 min

Lab File: VU046472.D

Acq: 17 Dec 2021 15:18

Instrument :

MSVOA_U

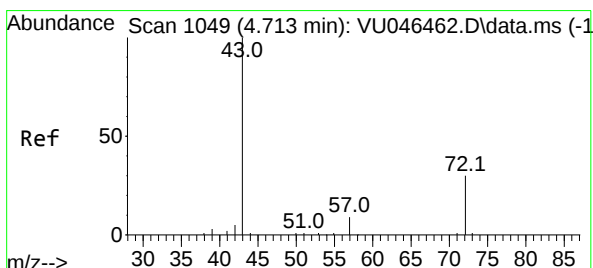
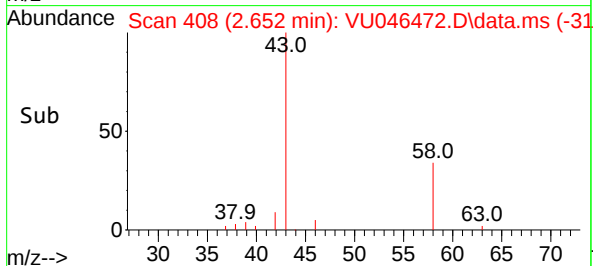
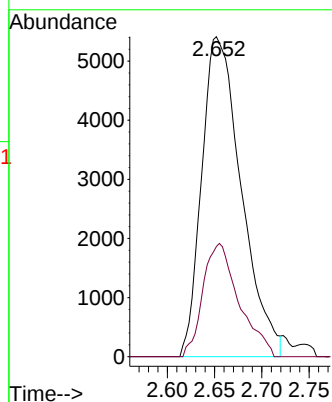
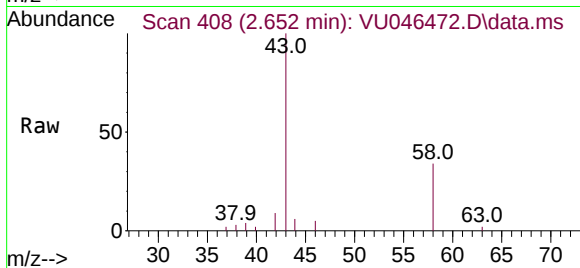
ClientSampleId :

Tgt Ion: 43 Resp: 15764

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.8



#22

2-Butanone

Concen: 3.970 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. 0.010 min

Lab File: VU046472.D

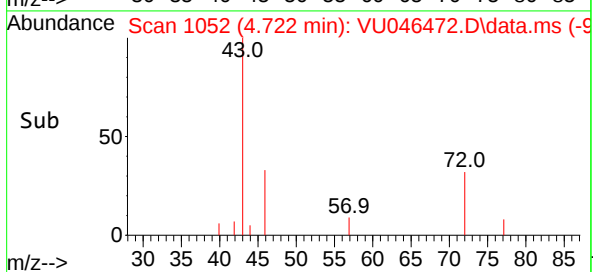
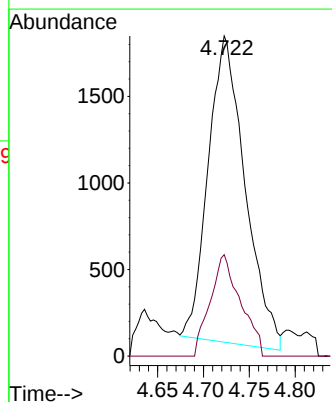
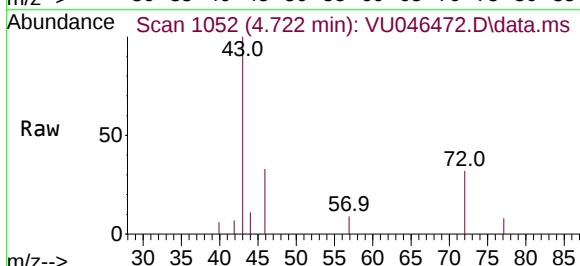
Acq: 17 Dec 2021 15:18

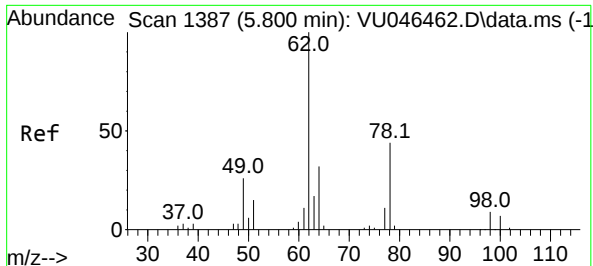
Tgt Ion: 43 Resp: 4942

Ion Ratio Lower Upper

43 100

72 27.2 14.5 43.6





#27

1,2-Dichloroethane

Concen: 0.744 ug/L

RT: 5.729 min Scan# 11

Delta R.T. -0.068 min

Lab File: VU046472.D

Acq: 17 Dec 2021 15:18

Instrument :

MSVOA_U

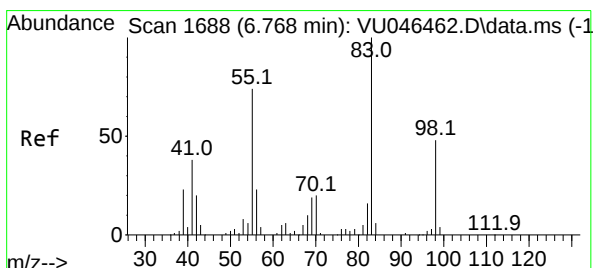
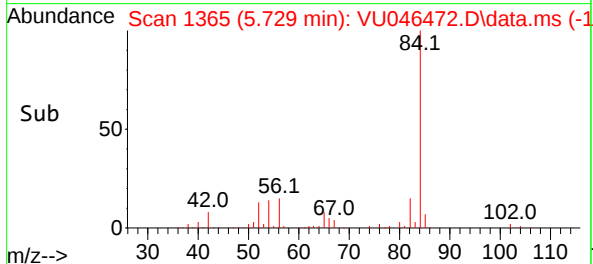
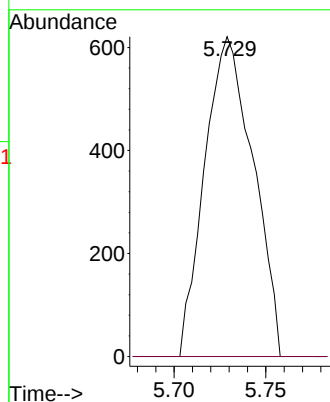
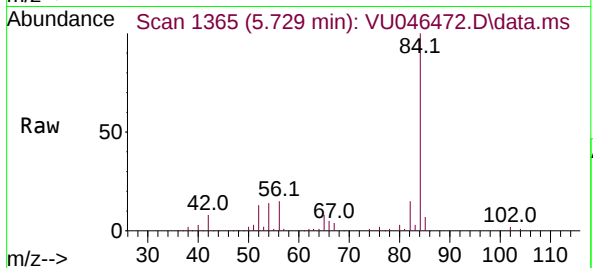
ClientSampleId :

Tgt Ion: 62 Resp: 1141

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 7.803 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046472.D

Acq: 17 Dec 2021 15:18

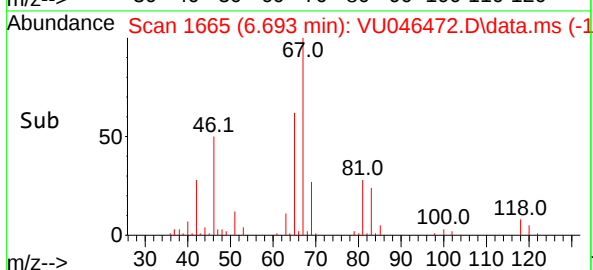
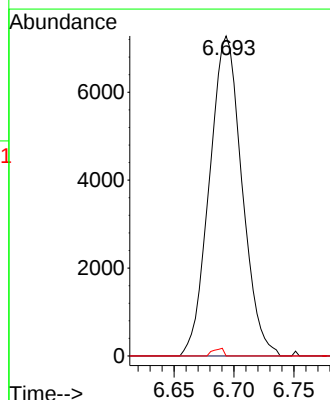
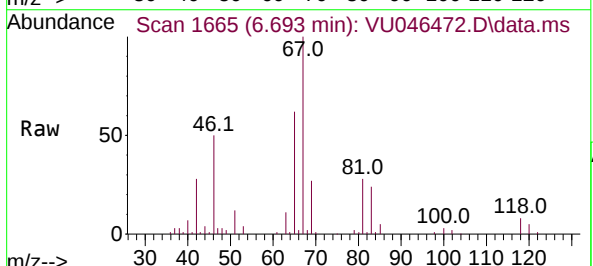
Tgt Ion: 83 Resp: 13740

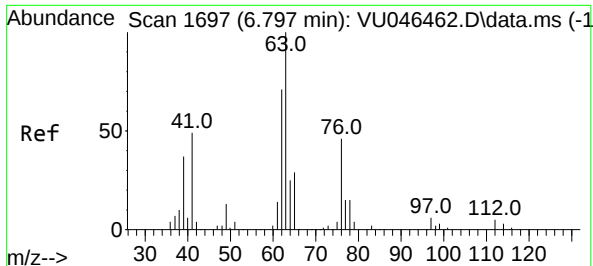
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.8 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.794 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046472.D

Acq: 17 Dec 2021 15:18

Instrument :

MSVOA_U

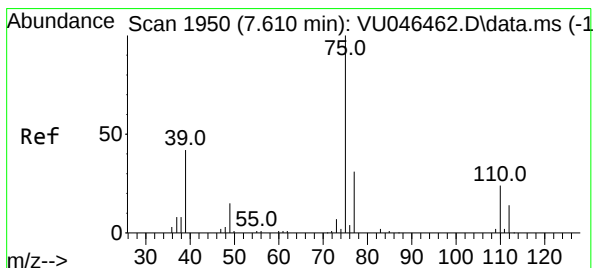
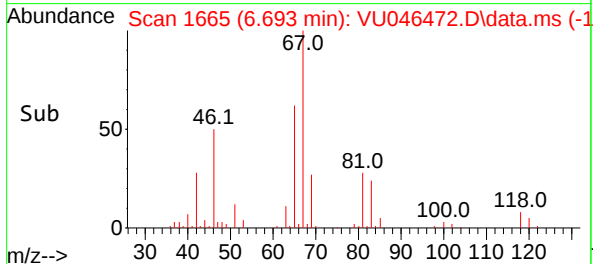
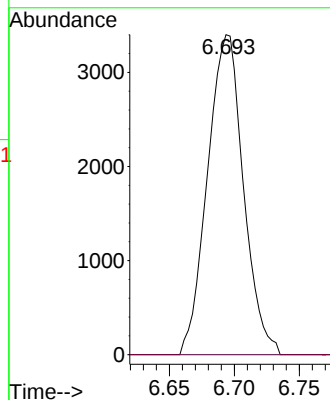
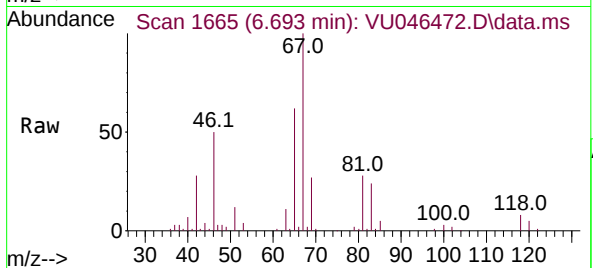
ClientSampleId :

Tgt Ion: 63 Resp: 6543

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.959 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046472.D

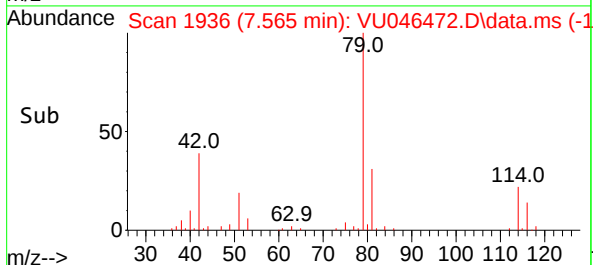
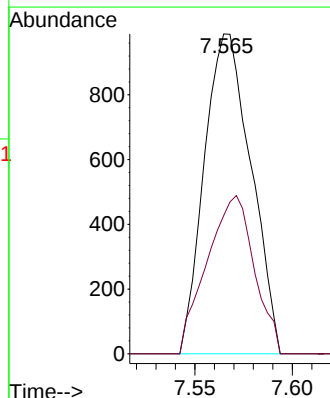
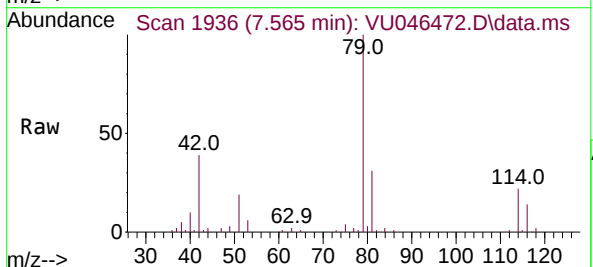
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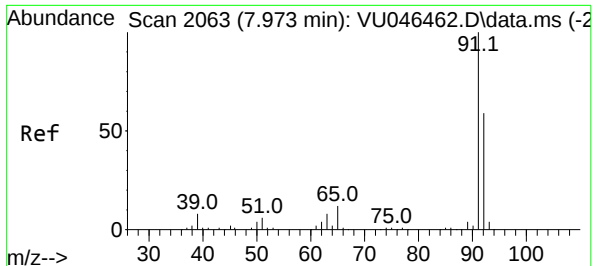
Tgt Ion: 75 Resp: 1647

Ion Ratio Lower Upper

75 100

77 43.2 21.8 40.6#

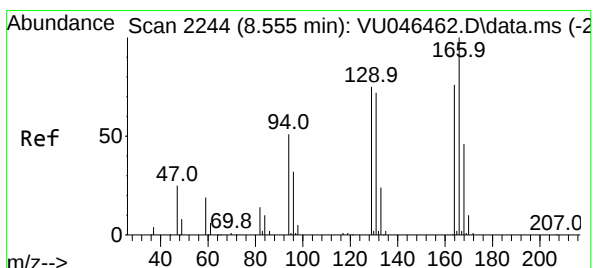
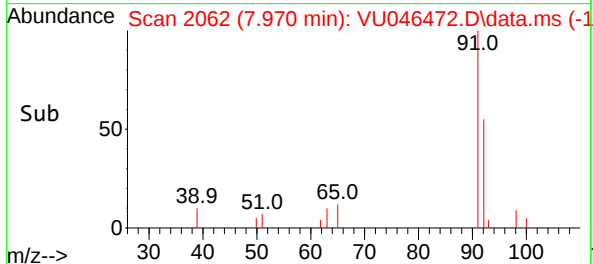
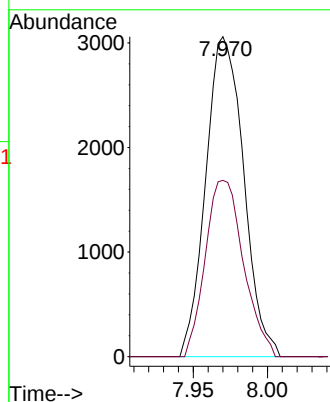
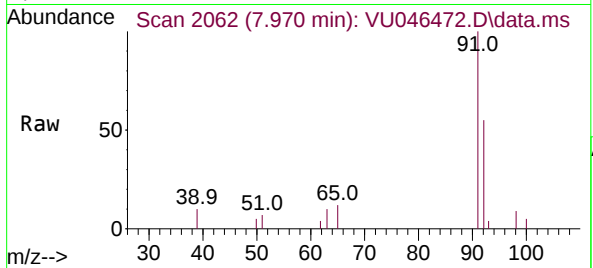




#42
Toluene
Concen: 1.174 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046472.D
Acq: 17 Dec 2021 15:18

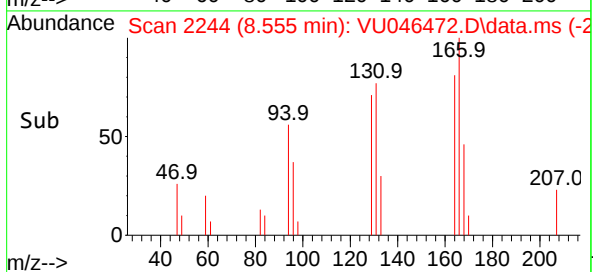
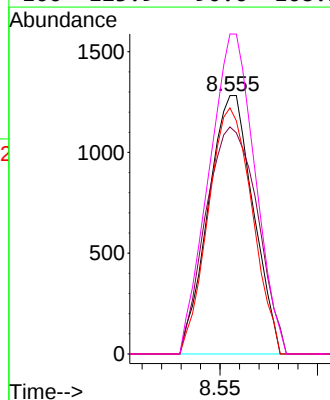
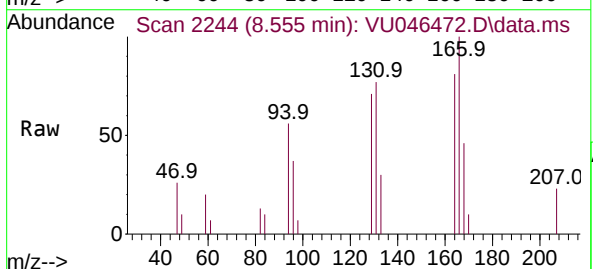
Instrument :
MSVOA_U
ClientSampleId :

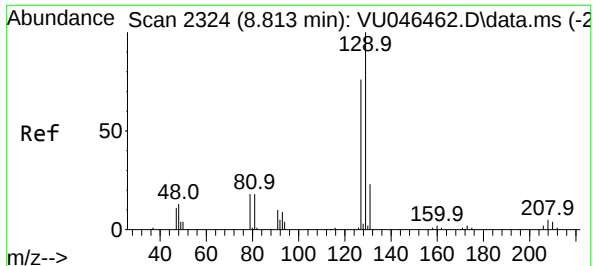
Tgt Ion: 91 Resp: 5430
Ion Ratio Lower Upper
91 100
92 55.1 41.9 77.7



#46
Tetrachloroethene
Concen: 2.456 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046472.D
Acq: 17 Dec 2021 15:18

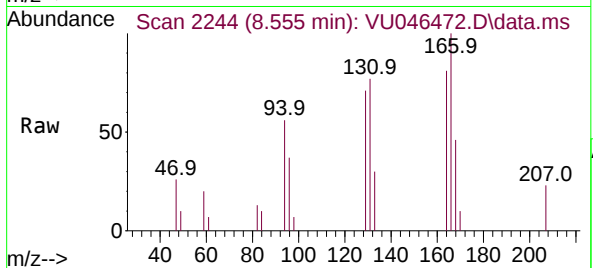
Tgt Ion: 164 Resp: 2050
Ion Ratio Lower Upper
164 100
129 87.9 71.1 132.1
131 95.2 67.8 126.0
166 123.9 90.6 168.2



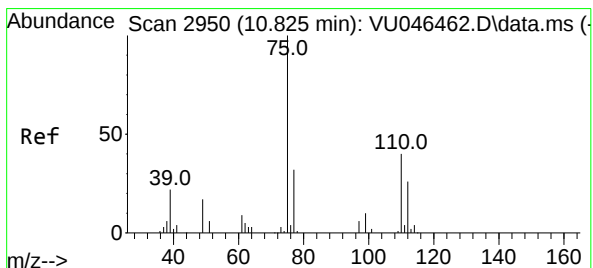
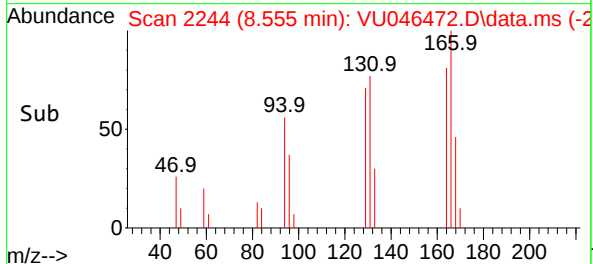
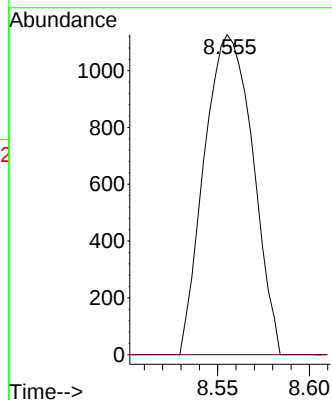


#49
 Dibromochloromethane
 Concen: 1.742 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU046472.D
 Acq: 17 Dec 2021 15:18

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:129 Resp: 2072
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.6 103.4#



#60
 1,2,3-Trichloropropane
 Concen: 5.414 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.987 min
 Lab File: VU046472.D
 Acq: 17 Dec 2021 15:18

Tgt Ion: 75 Resp: 8530
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.4 39.6
 110 2.2 32.4 48.6#

